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about equally divided between members and local associates, who subscribe for the meeting, and is consequently not very much larger than that of our own association. We publish above the first part of the address of the president, Professor Dewar, and hope to publish subsequently several of the addresses of the presidents of the sections and a report of the scientific proceedings. As already reported Sir Norman Lockyer was elected president, Dr. J. S. Garson, was made assistant general secretary in the room of the late Mr. G. Griffith, and Major P. A. McMahon, general secretary, in succession to Sir William Roberts-Austin. New members of the council are Sir W. Abney, Professor A. C. Haddon, Mr. C. Hawksley, Professor G. B. Howes, Professor W. W. Watts and Professor D. J. Cunningham. The meeting next year will be at Southport, and the following year at Cambridge. It is expected that the meeting in 1905 will be in South Africa.

Grants to committees for scientific purposes were made as follows:

MATHEMATICS AND PHYSICS.

Rayleigh, Lord—Electrical Standards.....	£35
Judd, Professor J. W.—Seismological Observations	40
Shaw, Dr. W. N.—Investigation of the Upper Atmosphere	75
Preece, Sir W. H.—Magnetic Observations...	40

CHEMISTRY.

Divers, Professor E.—Study of Hydroaromatic Substances.....	20
Roscoe, Sir H. E.—Wave-length Tables of Spectra	5

GEOLGY.

Herdman, Professor—Fauna and Flora of British Trias.....	5
Marr, Mr. J. E.—Erratic Blocks.....	10
Scharff, Dr. R. E.—To Explore Irish Caves..	40
Watts, Professor W. W.—Underground Waters of Northwest Yorkshire.....	40
Marr, Mr. J. E.—Life-zones in British Carboniferous Rocks.....	5
Geikie, Professor J.—Geological Photographs.	10

ZOOLOGY.

Herdman, Professor W. A.—Table at the Zoological Station at Naples.....	100
Woodward, Dr. H.—Index Animalium.....	100

GEOGRAPHY.

Keltie, Dr. J. S.—Tidal Bore, Sea Waves and Beaches	15
Holdich, Sir T.—Scottish National Antarctic Expedition	50

ECONOMIC SCIENCE AND STATISTICS.

Brabrook, Mr. E. W.—Economic Effect of Woman's Labor.....	25
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MECHANICAL SCIENCE.

Preece, Sir W. H.—Screw Gauges.....	5
Binnie, Sir A.—Resistance of Road Vehicles to Traction.....	90

ANTHROPOLOGY.

Evans, Sir J.—Researches in Crete.....	100
Read, Mr. C. H.—Exploration of Stone Circles	5
Cleland, Professor J.—Anthropometric Investigation	5
Ridgeway, Professor—Anthropology of the Todas and Tribes of Southern India.....	50
Read, Mr. C. H.—Anthropological Photographs (balance in hand).....	—

PHYSIOLOGY.

Halliburton, Professor W. D.—The State of Solution of Proteids.....	20
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BOTANY.

Miali, Professor L. C.—Registration of Botanical Photographs.....	3
Farmer, Professor J. B.—Investigation of the Cyanophyceæ	25
Ward, Professor Marshall—Respiration of Plants	12

EDUCATIONAL SCIENCE.

Sherrington, Professor—Conditions of Health Essential for School Instruction.....	10
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CORRESPONDING SOCIETIES.

Whitaker, Mr. W.—Preparing Report, etc..	20
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£960

SCIENTIFIC NOTES AND NEWS.

DR. D. C. GILMAN, president of the Carnegie Institution, has returned to the United States.

DR. ANDREW D. WHITE, Ambassador to Germany, will present his letters of recall at about the middle of the month. His successor, Dr. Charlemagne Tower, is also interested in literary and scientific subjects, being a member of the American Philosophical Society and of the American Institute of Mining Engineers.

DR. HENRY C. McCook, known to scientific men for his publications on ants and spiders, has retired after a service of about thirty-three years from the pastorate of a Presbyterian church in Philadelphia owing to ill health.

PROFESSORS JOSIAH ROYCE and George H. Palmer, of the philosophical department of Harvard University, have leave of absence for the present year. Professor Palmer has sailed for England.

BRIGADIER-GENERAL WILLIAM H. FORWOOD, U. S. A., who was recently retired as surgeon-general, was tendered a banquet on September 19 at Washington.

PROFESSOR WILHELM WUNDT, the eminent psychologist, has, on the occasion of his seventieth birthday, been made an honorary citizen of the city of Leipzig.

PROFESSORS JULIUS WIESNER and Karl Goebel, who hold respectively the chairs of botany at Vienna and Munich, have been elected corresponding members of the Göttingen Academy of Sciences.

DR. EDUARD RICHTER, professor of geography at Graz, has been made a member of the Vienna Academy of Sciences.

DR. ADOLF ENGLER, professor of botany at Berlin, is at present engaged in an expedition to Africa.

AN expedition from the Liverpool School of Tropical Medicine under Major Ronald Ross, has gone to the Suez Canal to institute preventive measures against malaria.

DR. WILHELM MUTHMAN, of the Munich Institute of Technology, has received a grant of 3,000 Marks for researches in inorganic chemistry, from the fund for German industry.

PRESIDENT PRITCHETT, of the Massachusetts Institute of Technology, has accepted the invitation of the trustees of the Lowell Textile School to deliver the address at the dedication of its new buildings, the date of which has not yet been announced.

MAJOR GORGAS, chief of the sanitary department at Havana during the American occupation, has returned to the United States. Before leaving Cuba he was given a dinner by

President Palmer, who expressed the gratitude of Cuba for the efficient services rendered the island and the city, especially in the suppression of yellow fever.

DR. G. M. GUITERAS, yellow fever expert of the Marine Hospital Service, has returned to the United States after an absence of three years in Cuba. He has been ordered to Philadelphia.

PROFESSOR C. R. VAN HISE, who for a number of years has devoted himself particularly to the investigation of the metamorphic formations has been placed by the U. S. Geological Survey in charge of its studies of this important group. He is being assisted by Mr. C. K. Leith in the preparation of a comprehensive monograph of the Lake Superior region, by Dr. W. S. Bayley in the completion of field work in the famous Menominee district, by Dr. W. H. Hobbs in the continuation of surveys in Connecticut, where the metamorphic problems are of decided interest, and by Dr. Florence Bascom in areal and structural studies in the Pennsylvania district.

PROFESSOR HENRY S. WILLIAMS, of Yale University, is devoting this season to the continuation of his studies, for the U. S. Geological Survey, of problems of the Devonian formations in Pennsylvania, New York and Maine, looking to a systematic correlation of the present knowledge of all the rocks of the country of Devonian age. He is being assisted by Mr. E. M. Kindle.

PROFESSOR DR. ADOLF SCHMIDT, of Gotha, has been appointed director of the Potsdam Magnetic Observatory in succession to the late lamented Professor Eschenhagen. He takes charge on October 1.

MR. EDWARD R. SMART, in charge of trigonometric work in the Island of Trinidad, spent some time at the Coast and Geodetic Survey, familiarizing himself with the instruments and methods in use in the geodetic and magnetic work. Father Edmond Goetz, S.J., likewise familiarized himself at the Coast and Geodetic Survey with magnetic instruments and methods, preparatory to work he contemplates undertaking, starting out at Bulawayo, Rhodesia.

DR. L. A. BAUER left Washington on September 15 for a six weeks' inspection trip of magnetic work in the western states and to make the necessary preliminary observations for special magnetic investigations during the coming winter and spring in the northern part of Michigan in the vicinity of the Great Lakes.

It is stated in *Nature* that letters received from Uganda give a good account of the progress of Mr. Budgett, Balfour traveling student of Cambridge, on his zoological mission to the Semliki. On July 13, he writes that he was proposing to start next day from Kampala for Lake Albert, where he would probably stay at Batyaba, near the Nile end, the *Polypterus* which he was in quest of being stated to be abundant at this spot. Afterwards his plans were to proceed southward to Fort Portal and thence to the Semliki valley, where he would make a general collection and look after the okapi in the neighboring forest. Mr. Jackson has most kindly allowed Mr. Budgett to have the assistance of one of his trained taxidermists.

It has been decided to erect the statue of Pasteur by Falguière in the Avenue de Breteuil, Paris.

MR. WILLIAM NEALE LOCKINGTON died at Worthing in Sussex, England, on the 3d of August, at the age of about sixty years. Mr. Lockington was from 1878 to 1881 curator of fishes in the California Academy of Sciences. At this time he published a number of papers on the fishes and the crabs of the Pacific coast, the most important being a review of the flounders of California. He was the discoverer of a considerable number of interesting new forms. Before coming to California he had traveled somewhat widely in Spain and other parts of Europe and had achieved some reputation as a naturalist. After returning to England he was obliged by failing health to give up scientific work, but always retained a deep interest in natural history and in the affairs of California.—D. S. J.

DR. P. PLÓSZ, professor of physiology and pathological chemistry at Buda Pesth, has died at the age of fifty-seven.

Nature reports the death of Professor J. J. Hummel, principal of the dyeing department of the Yorkshire College, Leeds; and of Mr. Alexander Sutherland, registrar of the University of Melbourne, author of 'The Origin and Growth of the Moral Instinct.'

THE Academy of Science at Cracow has received from the state an appropriation of 61,000 crowns.

It will be remembered that it was decided to close the meteorological observatory on Ben Nevis, owing to lack of funds, and the staff were told that their services would not be required after October. It has now, however, been decided to keep the Observatory open during the present winter, and it is hoped that the government will provide for it permanently.

THE board of health of San Francisco has issued a report reaffirming the existence of the plague in San Francisco. The mayor of the city dismissed the board last March, owing to its making a truthful report in regard to the plague, but the action of the mayor was not upheld by the courts.

THE International Congress on Tuberculosis meets at Berlin from October 22-26. The subjects suggested for special discussion are: (1) position of Governments with regard to the prevention of consumption; (2) obligation to give information to the police; (3) organization of dispensaries; (4) the task of schools with regard to the prevention of consumption; (5) precautions against the dangers of milk; (6) tuberculosis during infancy; (7) protection of labor and prevention of consumption; (8) classification and different modes of accommodating consumptives.

THE society for the protection of the interests of the German chemical industry, recently in session at Frankfort, has unanimously passed a resolution against the prohibition of the use of boric acid for the preservation of meats, and has appealed to the Bundesrath to reverse its decision.

DR. LOUIS ELKIND writes to the London *Times*: "It is rather curious that, though Professor Virchow's name has been well known throughout the civilized world for a long period, very few people know how to pro-

nounce it, Germans themselves being almost as mistaken in their pronunciation as foreigners. Never was this general error as plainly emphasized as at the celebrations held in honor of the great scientist's 80th birthday. The delegates whom he received on that occasion had each his own way of pronouncing V-i-r-e-h-o-w, Lord Lister, for instance, speaking as if the word were spelled Wirtschau, Signor Baccelli, Wirkoff, while his French and Russian colleagues pronounced his name in such a way that it was by no means easy to understand whom they meant—Wirschoff, Wirhoff, and Wirchoff respectively. At the banquet which was given by Count von Bülow in the late Professor Virchow's honor, and which practically brought the festivities to a close, Professor Harnack addressed the guest of the evening as Herr F-i-r-ch-o—that is to say, the F is accentuated as softly as possible, as in the English 'fair' and the Russian 'Feodor,' while the 'w' is dispensed with. This greatly delighted the veteran pathologist, and he remarked that never before had he heard his name pronounced properly. Subsequently, he dwelt upon the origin of his name, saying that he had been able to trace it to a small village and a lake in Pomerania, both of which are named Virchow, which word the natives pronounce exactly as Professor Harnack had done. It may be of interest if I add that a leading German philologist devoted considerable time to the subject of the origin of Virchow's name, and came to the conclusion that it was Slavonic. The Slavs, he thought, who bore it, were settled in Pomerania about the fifth century of the Christian era, and gave one of their names to the village and the lake."

UNIVERSITY AND EDUCATIONAL NEWS.

It is announced that the bequest to the Princeton Theological Seminary made by Miss Mary Winthrop, of New York, will amount to \$1,400,000.

AT Harvard University students can hereafter complete the requirements for the A.B. degree in three years without other requirements than that the necessary number of

courses should have been taken. Hitherto students who received honors could do this, others being required to wait a year before the degree was conferred.

THE Hon. John D. Long, formerly secretary of the navy, has been elected president of the board of overseers of Harvard University.

SUPERINTENDENT EDWIN G. COOLEY, of the Chicago public schools, has been offered the presidency of the University of the State of Washington.

PROFESSOR THOMAS F. HOLGATE, head of the department of mathematics of Northwestern University, has been elected dean of the College of Liberal Arts.

DR. JOHN MARSHALL, professor of chemistry and toxicology and dean of the medical department of the University of Pennsylvania, has declined reelection to the office of dean, a position he has held for eight years, in order to devote himself more exclusively to scientific work. Dr. Charles Frazier has been appointed dean of the department.

DR. WILLIAM B. SAVERY, of Fairmount College, Kansas, has been elected to fill the chair of philosophy at the Washington State University, left vacant by the resignation of Dr. F. W. Colegrove.

DR. FRANK S. WRINCH, Ph.D. (Leipzig), of Toronto, has been appointed demonstrator in experimental psychology in Princeton University.

DR. J. W. L. JONES, Ph.D. (Princeton), has been appointed professor of philosophy and education in Heidelberg University, Ohio.

DR. WILHELM WINDELBAND, professor of philosophy at Strassburg, has received a call to Heidelberg.

DR. HEINRICH MAIER, associate professor of philosophy at Zurich, has been called to Tübingen as successor to Professor E. von Pfleiderer.

DR. WILHELM TRABERT has been appointed to a full professorship of cosmical physics at University of Innsbruck.

DR. OSCAR ZOTH, professor of physiology at Graz, has been called to Innsbruck as successor to Professor M. von Vintschgau.